



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Choi et al.  
Serial No. : 09/888,114  
Filed : June 22, 2001  
Title : COMPOSITIONS AND METHODS FOR INCREASING THE ORAL  
ABSORPTION OF ANTIMICROBIALS

Art Unit : 1648  
Examiner : Zachariah Lucas

Commissioner for Patents  
Washington, D.C. 20231

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AMENDMENT & RESPONSE TO RESTRICTION REQUIREMENT

In the claims: / / / /

Please cancel claims 1, 4, and 23-41, and amend claims 2, 3, 5 and 14-22 as follows:

- A1
2. (Amended) A pharmaceutical composition for oral delivery of a cephalosporin comprising:
- a) a biopolymer;
  - b) a cephalosporin entrained within or ionically bound to the biopolymer;
  - c) a metal cation entrained within or ionically bound to the biopolymer or the cephalosporin; and
  - d) an absorption enhancer.
3. (Amended) The pharmaceutical composition of claim 2 wherein the biopolymer is selected from the group consisting of carrageenan, xylan, chitin, chitosan, chondroitin sulfate, sodium alginate, carboxymethylcellulose, pectin, polysaccharides, polypropylene glycols, polyethylene glycols, polyacetates, liposomes, fatty acid complexes, cyclodextrins, cycloamyloses, clathrates, cycloalkyl amyloses, polyxylose, polylactic acids and combinations thereof.

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